

**CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead**

**Soil Erosion**

**Sheet and Rill Erosion**

**Planning Criteria**

**Planning Criteria Met**

Screening level: Permanent ground cover > 90% and slope < 10%.  
Assessment level: The water erosion rate is <= T.

Yes ☐ No ☐

**Evaluation Tests**

**Evaluation Test Met**

All non-traffic areas are vegetated.

Yes ☐ No ☐

All temporary or permanent rills and gullies are stabilized. All areas expected to have high erosion rates are stable.

Yes ☐ No ☐

The areas integrated with trees are covered with leaves, needles, fine woody debris, rocks, and/or herbaceous vegetation that protects the soil on more than 80 percent of the area.

Yes ☐ No ☐

**Wind Erosion**

**Planning Criteria**

**Planning Criteria Met**

Screening level: Permanent ground cover > 90% and slope < 10%.  
Assessment level: The wind erosion rate is <= T.

Yes ☐ No ☐

**Evaluation Tests**

**Evaluation Test Met**

All temporary or permanent rills and gullies are stabilized. All areas expected to have high erosion rates are stable.

Yes ☐ No ☐

All non-traffic areas are vegetated.

Yes ☐ No ☐

The areas integrated with trees are covered with leaves, needles, fine woody debris, rocks, and/or herbaceous vegetation that protects the soil on more than 80 percent of the area.

Yes ☐ No ☐

## **CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead**

### **Classic Gully Erosion**

#### **Planning Criteria**

Screening level: Classic gullies are not present. Assessment level: Classic gully management is adequate to stop the progression of head cutting and widening and are offsite impacts are minimized by vegetation and/or structures.

#### **Planning Criteria Met**

Yes ☐ No ☐

#### **Evaluation Tests**

All temporary or permanent rills and gullies are stabilized. All areas expected to have high erosion rates are stable.

#### **Evaluation Test Met**

Yes ☐ No ☐

Water runoff from hard surfaces, such as building roofs, is controlled to the point that it does not cause erosion or large streams of water.

Yes ☐ No ☐

Soil erosion in areas integrated with trees is controlled. There are no impacts on sensitive vegetation. There are no occurrences or enlargement of gullies.

Yes ☐ No ☐

### **Streambank, Shoreline, Water Conveyance Channels**

#### **Planning Criteria**

Screening level: Streams, shoreline or channels are not adjacent to site. Assessment level: For shorelines and water conveyance channels; banks are stable or commensurate with normal geomorphological processes, AND if bank erosion is present, it is beyond the client's control or commensurate with normal geomorphological processes, AND for streambanks, SVAP2 bank condition element score > 5.

#### **Planning Criteria Met**

Yes ☐ No ☐

#### **Evaluation Tests**

Excluding all fundamentally unstable, natural geomorphic streambanks/shorelines, all streambanks/shorelines on the operation show few signs of erosion or bank failure. Each is stable and protected with natural materials.

#### **Evaluation Test Met**

Yes ☐ No ☐

**CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead**

**Soil Quality Degradation**

**Organic Matter Depletion**

**Planning Criteria**

**Planning Criteria Met**

Screening level: Soil organic matter depletion is not a problem AND activities do not cause soil organic matter depletion. Assessment level: Ground cover meets state criteria specific to ecological site.

Yes ☐ No ☐

**Evaluation Tests**

**Evaluation Test Met**

The areas integrated with trees are covered with leaves, needles, fine woody debris, rocks, and/or herbaceous vegetation that protects the soil on more than 80 percent of the area. The topsoil is not displaced. Woody residue is being added to the forest floor through branch breakage and treefalls.

Yes ☐ No ☐

**Compaction**

**Planning Criteria**

**Planning Criteria Met**

Screening level: Soil compaction is not a problem AND activities do not cause soil compaction problems. Assessment level: Compaction is managed to meet client's production and management objectives.

Yes ☐ No ☐

**Evaluation Tests**

**Evaluation Test Met**

Soil compaction is limited to roads and landings. Tree root growth is not impeded. No more than 15 percent of the forested area is devoted to roads, trails, and landings.

Yes ☐ No ☐

**CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead**

**Subsidence**

**Planning Criteria**

**Planning Criteria Met**

Screening level: Histisol soils are not present OR Histisols soils are not exhibiting subsidence. Assessment level: Subsidence is adequately managed to meet client's objectives.

Yes ☐ No ☐

**Evaluation Tests**

**Evaluation Test Met**

The areas integrated with trees are covered with leaves, needles, fine woody debris, rocks, and/or herbaceous vegetation that protects the soil on more than 80 percent of the area. There is no artificial drainage operating on the site.

Yes ☐ No ☐

**CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead****Excess Water****Runoff and Flooding and Ponding****Planning Criteria****Planning Criteria Met**

Screening level: Ponding or flooding not a problem AND activities do not cause ponding/flooding problems. Assessment level: Excess water is managed to meet client's objectives.

Yes ☐ No ☐**Evaluation Tests****Evaluation Test Met**

Water runoff from hard surfaces, such as building roofs, is controlled to the point that it does not cause flooding or ponding

Yes ☐ No ☐

**CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead****Insufficient Water****Inefficient Moisture Management****Planning Criteria**

Screening level: Moisture management is not a problem AND activities do not cause inefficient moisture management problems. Assessment level: Runoff and evapotranspiration levels are minimized to meet client's management objectives.

**Planning Criteria Met**Yes ☐ No ☐**Evaluation Tests**

Management choices include actions to limit moisture loss. For example, maintaining shade, retaining the forest litter layer, and maintaining correct stocking levels.

**Evaluation Test Met**Yes ☐ No ☐

**CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead**

## **Water Quality Degradation**

### **Pesticides in Surface Water**

#### **Planning Criteria**

Screening level: Pest control chemicals are not applied. Assessment level: Pesticides are stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching AND conservation practices and managements are in place to minimize surface water impacts.

#### **Planning Criteria Met**

Yes ☐ No ☐

#### **Evaluation Tests**

Pesticides are applied using a site-specific mixture of prevention, avoidance, monitoring, and suppression (PAMS) strategies. Environmental risk screening tool are used (such as WIN-PST or similar LGU approval tool). Application rates and timing are compliant with the label and the conservation plan.

#### **Evaluation Test Met**

Yes ☐ No ☐

### **Pesticides in Ground Water**

#### **Planning Criteria**

Screening level: Pest control chemicals are not applied. Assessment level: Pesticides are stored, handled, disposed and managed to prevent runoff, spills, leaks and leaching AND conservation practices and managements are in place to minimize ground water impacts.

#### **Planning Criteria Met**

Yes ☐ No ☐

#### **Evaluation Tests**

Pesticides are applied using a site-specific mixture of prevention, avoidance, monitoring, and suppression (PAMS) strategies. Environmental risk screening tool are used (such as WIN-PST or similar LGU approval tool). Application rates and timing are compliant with the label and the conservation plan.

#### **Evaluation Test Met**

Yes ☐ No ☐

**CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead**

**Nutrients in Surface Water**

**Planning Criteria**

**Planning Criteria Met**

Screening level: Organic or inorganic nutrients are not applied AND the PLU is not grazed AND there are no confined livestock areas.  
Assessment level: Conservation practices and managements are in place to minimize surface water impacts AND surface waters are protected from contamination due to runoff and leaching from storage sites, spill and other concentrated sources.

Yes ☐ No ☐

**Evaluation Tests**

**Evaluation Test Met**

Manure and untreated runoff from animal pens, feedlots, or similar AFO is stopped from entering nearby streams, drainage ditches, and irrigation ditches.

Yes ☐ No ☐

Livestock access to stream is controlled OR limited to small watering or crossing areas.

Yes ☐ No ☐

Sacrifice areas are properly sited.

Yes ☐ No ☐



**CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead**

**Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Surface Water**

**Planning Criteria**

**Planning Criteria Met**

Screening level: Potential sources of pathogens or pharmaceuticals are not applied on the land. Assessment level: Organic materials are applied, stored, and/or handled to mitigate negative impacts to surface water sources.

Yes ☐ No ☐

**Evaluation Tests**

**Evaluation Test Met**

Manure and untreated runoff from animal pens, feedlots, or similar AFO is stopped from entering nearby streams, drainage ditches, and irrigation ditches.

Yes ☐ No ☐

Livestock access to stream is controlled OR limited to small watering or crossing areas.

Yes ☐ No ☐

Any water well(s) is located at least 100 feet from animal pens, feedlots, or similar AFO. Runoff from these areas is treated. An impervious barrier around the well prevents seepage into the groundwater.

Yes ☐ No ☐

**Excess Pathogens and Chemicals from Manure, Bio-solids or Compost Applications in Ground Water**

**Planning Criteria**

**Planning Criteria Met**

Screening level: Potential sources of pathogens or pharmaceuticals are not applied on the land. Assessment level: Organic materials are applied, stored, and/or handled to mitigate negative impacts to groundwater sources.

Yes ☐ No ☐

**Evaluation Tests**

**Evaluation Test Met**

Any water well(s) is located at least 100 feet from animal pens, feedlots, or similar AFO. Runoff from these areas is treated. An impervious barrier around the well prevents seepage into the groundwater.

Yes ☐ No ☐

**CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead  
Petroleum, Heavy Metal and Other Pollutants Transported to Surface Water**

**Planning Criteria**

Screening level: Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants.  
Assessment level: Petroleum, heavy metals or other potential pollutants are stored and handled to avoid runoff to surface water.

**Planning Criteria Met**

Yes ☐ No ☐

**Evaluation Tests**

The fuel storage area and tank is located: - above the 100-year floodplain, - a minimum of 100 feet from any river, stream, ditch, pond, lake, sinkhole, wetland, or water well, and - within a stable place designed to provide secondary containment if the primary means were to fail.

**Evaluation Test Met**

Yes ☐ No ☐

**Petroleum, Heavy Metal and Other Pollutants Transported to Ground Water**

**Planning Criteria**

Screening level: Activities do not present the potential for contamination by petroleum, heavy metals and other pollutants.  
Assessment level: Petroleum, heavy metals or other potential pollutants are stored and handled to avoid runoff to groundwater.

**Planning Criteria Met**

Yes ☐ No ☐

**Evaluation Tests**

The fuel storage area and tank is located: - above the 100-year floodplain, - a minimum of 100 feet from any river, stream, ditch, pond, lake, sinkhole, wetland, or water well, and - within a stable place designed to provide secondary containment if the primary means were to fail.

**Evaluation Test Met**

Yes ☐ No ☐

**CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead**

**Excessive Sediment in Surface Water**

**Planning Criteria**

Screening level: Permanent ground cover > 90% and slope < 10% AND classic gullies are not present AND streams or shoreline are not on or adjacent to site. Assessment level: Upslope treatment and buffer practices address concentrated flows to water bodies AND the SVAP2 - bank condition  $\geq 5$  AND the livestock and vehicle water crossings are stable AND The water erosion rate is  $\leq T$  AND wind erosion rate is  $\leq T$ .

**Planning Criteria Met**

Yes ☐ No ☐

**Evaluation Tests**

The land adjacent to a stream, river, or other waterbody on the side or sides you control does: - have diverse, natural plant cover typical to that along streams in your area, - extend from the stream bank/shoreline for a distance of 35 feet or (if applicable) the minimum State buffer-width requirement, whichever is greater, AND - have few places where concentrated runoff flows through.

**Evaluation Test Met**

Yes ☐ No ☐

Established filter strips are at least 30 feet wide and maintained.

Yes ☐ No ☐

All small, temporary or permanent rills and gullies are stabilized.

Yes ☐ No ☐

Water runoff from hard surfaces, such as building roofs, is controlled to the point that it does not cause erosion or large streams of water.

Yes ☐ No ☐

**CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead**

**Elevated Water Temperature**

**Planning Criteria**

Screening level: Water courses on or adjacent to the site are not designated by a State Agency as a temperature impairment OR water course temperature is not a client concern. Assessment level: The SVAP2 - riparian area quality element score is  $\geq 5$  AND the SVAP2 - riparian area quantity quality element score is  $\geq 5$  AND the SVAP2 - canopy cover element score is  $\geq 6$ , OR existing conservation practices are in place to address water temperature.

**Planning Criteria Met**

Yes ☐ No ☐

**Evaluation Tests**

More than 50 percent of the water surface is shaded on the length of the stream/river you control.

**Evaluation Test Met**

Yes ☐ No ☐

**CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead**

**Air Quality Impacts**

**Emissions of Particulate Matter (PM) and PM Precursors**

**Planning Criteria**

Screening level: Activities are not present that contribute to agricultural source PM or PM precursor emissions AND episodes or complaints of emissions of PM (dust, smoke, exhaust, etc.), or chemical drift have not occurred. PM producing activity examples are: Prescribed Burn is conducted, Travel ways unpaved or untreated with binding agents, Engines (combustion source), Tillage, Pesticides are applied, Fertilization (manure/ commercial), CAFO/manure management). Assessment level: PM and PM Precursor emissions are managed to meet client objectives.

**Planning Criteria Met**

Yes ☐ No ☐

**Evaluation Tests**

Dust is controlled on all non-vegetated, unpaved travel ways.

**Evaluation Test Met**

Yes ☐ No ☐

**Emissions of Ozone Precursors**

**Planning Criteria**

Screening level: Operations are not present that produce ozone precursor emissions. Ozone precursor producing activities are: Engines (combustion source), Pesticide application, Burning, CAFO/manure management, Fertilization (manure/commercial). Assessment level: Ozone precursor emissions are managed to meet client objectives.

**Planning Criteria Met**

Yes ☐ No ☐

**Evaluation Tests**

Energy-efficient vehicles, equipment, and actions are used to lessen discharges of NOx and SOx. For example, using the minimum level of equipment needed to accomplish the activity, minimizing number of trips into the forest, and leaving woody residue in place if not a fire or pest hazard.

**Evaluation Test Met**

Yes ☐ No ☐

**CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead**

**Emission of Greenhouse Gases (GHGs)**

**Planning Criteria**

Screening level: Activities are not present that produce GHGs emissions. GHG producing activities are: Fertilization(manure/commercial), CAFO/manure management, Engines (combustion source), Tillage, AND GHGs are not regulated in this planning area. Assessment level: Greenhouse gas emmissions are managed to meet client objectives.

**Planning Criteria Met**

Yes ☐ No ☐

**Evaluation Tests**

The forest or woodlot is fully stocked with tree species adapted to the site. Species have high-growth rates or long life span with the ability to reach a large size.

**Evaluation Test Met**

Yes ☐ No ☐

Energy-efficient vehicles, equipment, and actions are used to lessen discharges of NOx and SOx. For example, using the minimum level of equipment needed to accomplish the activity, minimizing number of trips into the forest, and leaving woody residue in place if not a fire or pest hazard.

Yes ☐ No ☐

## CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead

### Degraded Plant Condition

#### Undesirable Plant Productivity and Health

##### Planning Criteria

Screening level: Plant production and health is not a client concern.  
Assessment level: Plants are adapted to the site, meet production goals and do not negatively impact other resources AND plant damage from wind erosion is below Crop Damage Tolerance levels.

##### Planning Criteria Met

Yes ☐ No ☐

##### Evaluation Tests

The forest or woodlot is fully stocked with tree species adapted to the site, has spacing for good tree growth and air flow between and beneath, does not have excessive tree mortality, has an understory made up of desirable species and is not inhibited by brush or other undesirable vegetation. Monitoring for Insects and disease is completed to prevent outbreaks that would be detrimental to forest health.

##### Evaluation Test Met

Yes ☐ No ☐

#### Inadequate Structure and Composition

##### Planning Criteria

Screening level: Plant communities support the intended land use and desired ecological functions. Assessment level: Plant communities contain adequate diversity, composition and structure to support desired ecological functions.

##### Planning Criteria Met

Yes ☐ No ☐

##### Evaluation Tests

The forest or woodlot is fully stocked with tree species adapted to the site, has spacing for good tree growth and air flow between and beneath, does not have excessive tree mortality, has an understory made up of desirable species and is not inhibited by brush or other undesirable vegetation

##### Evaluation Test Met

Yes ☐ No ☐

## **CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead**

### **Excessive Plant Pest Pressure**

#### **Planning Criteria**

Screening level: Plant productivity is not limited from pest pressure.  
Assessment level: Pest damage to plants are below economic or environmental thresholds or client-identified criteria AND plant pests, including noxious and invasive species are managed to meet client objectives.

#### **Planning Criteria Met**

Yes ☐ No ☐

#### **Evaluation Tests**

Invasive and noxious weeds are controlled or not present.

#### **Evaluation Test Met**

Yes ☐ No ☐

Plant growth and cover is managed to develop and maintain habitat to help plant diversity.

Yes ☐ No ☐

Trees are selected or planted that are tolerant of known damaging pests.

Yes ☐ No ☐

### **Wildfire Hazard, Excessive Biomass Accumulation**

#### **Planning Criteria**

Screening level: Wildfire hazards is not a concern. Assessment level: Fuel loads and fuel ladders are managed to provide defensible space and meet client objectives.

#### **Planning Criteria Met**

Yes ☐ No ☐

#### **Evaluation Tests**

Fire risk to sensitive sites are controlled by treatment, removal or modification of vegetation, debris and detritus in a strip or area.

#### **Evaluation Test Met**

Yes ☐ No ☐

Sites needing wildfire protection or using prescribed burning have a permanent or temporary strip of bare or vegetated land that retards fire.

Yes ☐ No ☐



**CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead**

**Fish and Wildlife - Inadequate Habitat**

**Inadequate Habitat - Food**

**Planning Criteria**

**Planning Criteria Met**

Assessment level: The WHSI rating is  $\geq 0.5$  AND (when surface stream present) the SVAP2 - fish habitat complexity element score is  $\geq 7$  AND the SVAP2 - aquatic invertebrate habitat element score is  $\geq 7$ , OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR food is available in quality and extent to support habitat requirements for the species of interest.

Yes ☐ No ☐

**Evaluation Tests**

**Evaluation Test Met**

Designated areas are planted as food and habitat for pollinators/beneficial insects. For example, planted to nectar and pollen producing plants and protected from disruption--chemical, biological, or mechanical.

Yes ☐ No ☐

The land adjacent to a stream, river, or other waterbody on the side or sides you control does: - have diverse, natural plant cover typical to that along streams in your area, AND - extend from the stream bank/shoreline for a distance of 35 feet or (if applicable) the minimum State buffer-width requirement, whichever is greater.

Yes ☐ No ☐

Plant growth and cover is managed to develop and maintain habitat to help chosen wildlife species. <see State Wildlife Action Plan>

Yes ☐ No ☐

## **CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead**

### **Inadequate Habitat - Cover/Shelter**

#### **Planning Criteria**

Assessment level: The WHSI rating is  $\geq 0.5$  AND (when surface stream present) the SVAP2 - barriers to movement element score is  $\geq 7$  AND the SVAP2 - fish habitat complexity element score is  $\geq 7$  AND the SVAP2 - aquatic invertebrate habitat element score is  $\geq 7$ , OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR cover is of available quality and extent to support habitat requirements for the species of interest.

#### **Planning Criteria Met**

Yes ☐ No ☐

#### **Evaluation Tests**

#### **Evaluation Test Met**

Dead and/or down trees are intentionally left in the forest to provide wildlife cover.

Yes ☐ No ☐

Large, old, and/or "wolf" trees are intentionally retained in the forest to provide wildlife shelter. For example, trees with gnarled appearance, loose bark, or cavities.

Yes ☐ No ☐

The forest or woodlot is fully stocked with tree species adapted to the site, has spacing for good tree growth and air flow between and beneath, does not have excessive tree mortality, has an understory made up of desirable species and is not inhibited by brush or other undesirable vegetation. Monitoring for Insects and disease is completed to prevent outbreaks that would be detrimental to forest health. Woody debris on the forest floor supports wildlife but does not present an elevated fire risk.

Yes ☐ No ☐

Plant growth and cover is managed to develop and maintain habitat to help chosen wildlife species. <see State Wildlife Action Plan>

Yes ☐ No ☐

Livestock access to stream is controlled OR limited to small watering or crossing areas

Yes ☐ No ☐

The land adjacent to a stream, river, or other waterbody on the side or sides you control does: - have diverse, natural plant cover typical to that along streams in your area, AND - extend from the stream bank/shoreline for a distance of 35 feet or (if applicable) the minimum State buffer-width requirement, whichever is greater.

Yes ☐ No ☐

**CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead**

**Inadequate Habitat - Habitat Continuity (Space)**

**Planning Criteria**

Assessment level: The WHSI rating is  $\geq 0.5$  AND (when surface stream present) the SVAP2 - barriers to movement element score is  $\geq 7$  AND the SVAP2 - aquatic invertebrate habitat element score is  $\geq 7$ , OR conservation practices and managements are in place that meet or exceed species or guild-specific habitat model thresholds, OR The connectivity of habitat components are adequate to support stable populations of targeted species.

**Planning Criteria Met**

Yes ☐ No ☐

**Evaluation Tests**

People, vehicles, equipment, or livestock are only moved across a stream/river at a bridge, culvert, or stabilized ford crossing(s). Travel across the stream/river beyond these crossings is controlled.

**Evaluation Test Met**

Yes ☐ No ☐

In-stream structures (dam, diversion structure, bridge, culvert, low-water stream crossing, etc.) allow for the upstream/downstream movement of fish and other aquatic animals throughout most of the year.

Yes ☐ No ☐

Connectivity between food resources and cover and shelter is provided for the chosen wildlife species. <see State Wildlife Action Plan>

Yes ☐ No ☐

Plant growth and cover is managed to develop and maintain habitat to help chosen wildlife species. <see State Wildlife Action Plan>

Yes ☐ No ☐

**CSP-2017-1 AK - AK Non Industrial Private Forestland Farmstead**

**Inefficient Energy Use**

**Equipment and Facilities**

**Planning Criteria**

**Planning Criteria Met**

Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major components of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.

Yes ☐ No ☐

**Evaluation Tests**

**Evaluation Test Met**

Energy loss from lighting, drying, refrigeration, cooling, heating, or building insulation has been improved.

Yes ☐ No ☐

Renewable energy systems are applied. For example, solar, wind, geothermal, or hydro.

Yes ☐ No ☐

**Farming/Ranching Practices and Field Operations**

**Planning Criteria**

**Planning Criteria Met**

Screening level: Client is not interested in improving equipment and facilities energy efficiency. Assessment level: Major components of a USDA approved energy audit have been implemented that address equipment and facilities to meet client objectives OR On-farm renewable energy and/or energy conserving practices have been implemented to meet client objectives.

Yes ☐ No ☐

**Evaluation Tests**

**Evaluation Test Met**

Energy loss from driven equipment, irrigation, or pumping has been improved.

Yes ☐ No ☐

Renewable energy systems are applied. For example, solar, wind, geothermal, or hydro.

Yes ☐ No ☐